

# STATIC GENERATORS AND CHARGING BARS

**A low cost method of temporary adhesion—  
effective, simple, clean and non-marking**

## **Electrostatic tools for productivity enhancement**

TAKK's Static Generators and Charging Bars give you the advantages of one of the fastest growing developments in electrostatics: The bonding force of positive and negative ions (static electricity) in a wide variety of manufacturing and processing operations. This effective production tool offers you a means of temporarily bonding or holding-in-place various similar or dissimilar materials, without the use of glue, double-sided tape or mechanical strapping devices.

TAKK's Static Generators and Charging Bars are designed, engineered and constructed for powerful precision ion flow, long service life, ease of installation and maintenance, and maximum economy of operation. Select from positive or negative generator units available in AC or DC input. Charging Bars can be ordered in lengths up to 118" (3000mm). The bars accommodate both the positive and negative generators.



- **BONDS SIMILAR OR DISSIMILAR MATERIALS AND HOLDS MATERIALS IN PLACE**
- **ELIMINATES AIR POCKETS AND WRINKLES IN MULTI-LAYER PRODUCTS**
- **PREVENTS PLASTIC FILMS FROM WANDERING ON REWINDERS OR SHRINKING ON COOLING CYLINDERS**
- **INCREASES PRODUCTION SPEEDS, REDUCES WASTE AND ENHANCES QUALITY**

Visit us at [www.takk.com](http://www.takk.com)

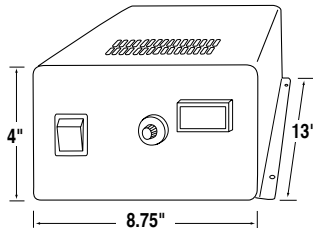


**TAKK INDUSTRIES INCORPORATED**

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# Static Generator Specifications

## MODEL 7302-SP and 7302-SN



### OUTPUT VOLTAGE:

MODEL 7302-SP adjustable 0 to 30Kv, 1mA, POSITIVE

MODEL 7302-SN adjustable 0 to 30Kv, 1mA, NEGATIVE

**CONTROLS & DISPLAYS:** On/Off switch, 0 to 30Kv adjustment, LCD display, fused

**DIMENSIONS:** L = 13" (320mm), W = 8.75" (222mm), H = 4" (102mm)

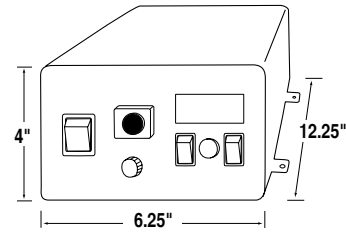
**ELECTRICAL:** 30-264VAC, 50/60Hz, 30 watt

**LOAD:** Up to 26ft (8m) of bar length and total of 32ft (10m) of cable length

**CONSTRUCTION:** Powder coated steel

**WEIGHT:** 10.5 lbs (4.7 kg)

## MODEL 7304-SP and 7304-SN



### OUTPUT VOLTAGE:

MODEL 7304-SP adjustable 0 to 30Kv, 1.1mA, POSITIVE

MODEL 7304-SN adjustable 0 to 30Kv, 1.1mA, NEGATIVE

**CONTROLS & DISPLAYS:** On/Off switch, local/remote switch, 0 to 30Kv adjustment, voltage/current switch, LCD display, fused

**DIMENSIONS:** L = 12.25" (312mm), W = 6.25" (160mm), H = 4" (102mm)

**ELECTRICAL:** 22-26VDC, max 2.0A under all conditions; 7 way AOPULO connector on front panel; connector plug and 16.5 ft. (5m) cable is included

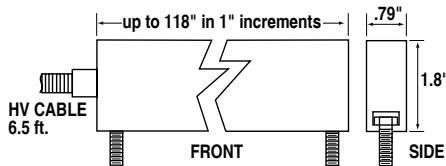
**LOAD:** Up to 32ft (10m) of total bar and cable length

**CONSTRUCTION:** Powder coated steel

**WEIGHT:** 8 lbs (3.6 kg)

# Static Charging Bar Specifications

Can be ordered up to 118" in length in one (1") increments. Standard lengths available: 6", 12", 18", 24", 36" and 48". Order as follows: 7300-###S. ### designates the length required. For example, the number 7300-012S would be for a 12" long bar.



**DIMENSIONS:** W = 0.79" (20mm), H = 1.80" (45mm)

**DIMENSIONS, LENGTH:** up to 118" in 1" increments

**EFFECTIVE LENGTH:** 2" (50mm) less than overall length

**CABLE:** 6.5' (1981mm) of in-line protected HV cable with screw-in connector

**EMITTERS:** "stay sharp" alloy

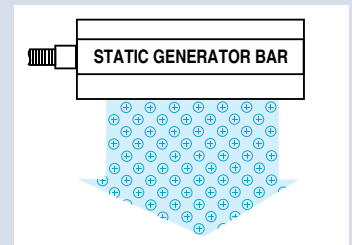
**MOUNTING STUDS:** M8 x 60 MB Nylon

### OPERATING RANGE

- Effective operating distance depends on the application and material being processed. Plastic sheets and webs are much easier to charge than paper or other semi-conductive materials.
- Typical mounting distance from bar-to-object to be charged is 1½" for 30,000 volts and 1¼" for 15,000-20,000 volts. Start at 2¼" from the object to be charged and reduce distance if required for better effectiveness.
- Mount bar straight and parallel with the object to be charged and with the earth ground to ensure an even current coverage.

## STATIC CHARGING BAR BENEFITS A MULTITUDE OF PRODUCTION OPERATIONS & APPLICATIONS

- General manufacturing
- Packaging manufacturing
- Paper/plastic film converting
- In-mold label processing
- Plastic bag manufacturing
- Bindery finishing
- Ribbon-tacking
- Card inserts
- Catalog packaging
- Binder or video cassette cases
- Chill roll edge pinning on cast film lines
- Dry bonding lamination
- In-mold decorating
- Interleaving
- Roll-to-roll changeover
- Shrink wrapping
- Increase speed of sheeters, making low basis weight paper easier to handle
- Binding of protective covering to metal or wood



**COMPLETE TECHNICAL ASSISTANCE  
ONE YEAR LIMITED WARRANTY**



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